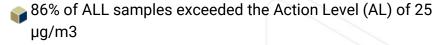
Respirable Crystalline Silica Air Sampling Data From Cut Stone Industry in Georgia



With Controls: Samples Where Wet Methods, Ventilation, or Both

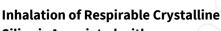
- were used averaged 2 times the Permissible Exposure Limit (PEL) and ranged from 9.6 to 370 µg/m3
 - Without Controls: Dry Cutting, Polishing, and Fabrication resulted
- in exposures 34 to 46 times the Permissible Exposure Limit (PEL) and ranged from 1700-2300 µg/m3
 - Water and Ventilation Did NOT reduce exposures below the PEL
- when fabricating Engineered Stone (Quartz) countertops due to the high silica content in this product.

Employees Fabricating Stone that Contains Silica Should:

- **Receive Hazard Communication** Training for Silica
- Be provided and fitted for respiratory protection
- Be enrolled in a silica exposure medical surveillance program
- Use Tools fitted with Water and Ventilation to reduce dust

Silica is Associated with:

- Lung Cancer and COPD
- Tuberculosis (TB)
- Auto Immune Disorders
- Kidney Disease









- **Number of Visits** 10 Conducted
- Number of Full-Shift 46 Samples
- μg/m3 average silica for all samples



Hear Ever's Story about being Diagnosed with Silicosis

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